CIVIL ENGINEERING

Now more than ever, how we build and maintain the world around us is paramount.

Civil engineers play a leading role in ensuring that our built environment is well-designed, functional, resilient, sustainable, and smart, using sensors to collect data toward the efficient management of resources.

"Civil engineering is constantly growing and it's a challenging field that allows for continuous learning. There is always room for research and improvement."

Zaneta Marcinik, Civil Engineering '21
Design Engineer at Civiltech Engineering, Inc.

Chicago at scale

Standing at the corner of Adams and Wells in Chicago's Loop, with the Willis Tower soaring upward a block away and the CTA train clattering overhead, it can be hard to step back and see how this iconic downtown came to be.

UIC civil engineering students got some perspective by 3D printing tiny white plastic models of Chicago's downtown buildings in our campus Makerspace and then arranging them on a micro version of the street grid. They learned about the density, spacing, and logic of how buildings were placed in Chicago—block by block.

Visit cme.uic.edu to learn more about major requirements, courses, and internships.

CREATIVITY IN ACTION

For our annual senior design showcase, the UIC Engineering Expo, civil engineering students have created:

- Designs for El Paseo, a proposed urban greenway on Chicago's South Side
- A passive solar building design, which gathers and distributes heat via architectural features
- A plan to upgrade PepsiCo's Chicago headquarters from LEED silver to LEED gold status

With a civil engineering degree, you might:

- Come up with plans for the airports and mass-transit systems of the future
- Oversee the construction of skyscrapers
- Advance the "greening" of cities through environmentally conscious recreation design, wastewater treatment, and more

UIC

Chicago is where you will rise.

Civil Engineering

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